Please	type a plus	sign (+) inside this bo	 px →[OIPE SP U 1 ZB	YE SE		+
(Substitute for form 1449A/PTO			Tag.	l <i>PP </i>	omplete if Known	
				MADENI	Application Number	09/882,787	
ı		INFORMATION DISCLOSUR			Filing Date	Jun 14, 2001	
ŀ	STA	TEMENT E	AYE	PPLICANT	First Named Inventor	Qì	
					Group Art Unit	2621	
L		(use as many sh	eets as	necessary)	Examiner Name	MARIAM, DANIEL G	
- (Sheet	1	of	4	Attorney Docket Number	MS1-717US	

				U.S. PATENT DOCU	IMENTS	
Examiner Initials	Cite No.1	U.S. Paten	Kind Code ² (If Imawn)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Class Such Figures Appear
de-		5442633		Perkins et al.	08/15/1995	370 / 33)
da		5530963		Moore et al.	06/25/1996	209/243
2		5625877		Dunn et al.	04/29/1997	455/454
De		5659685		Williams et al.	08/19/1997	709/220
					ļ	
				•		
 		ļ				
<u> </u>		ļ				·
ļ		<u> </u>				
		<u> </u>				
\vdash						
-						
		l				

				FORE	IGN PATENT DOCUMEN	TS		
Examiner	Cite	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	Т
Initials*	No.1	Office ³	Number ⁴	Kind Code ^s (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τº
								1 -
		1						1
			-			 		
								+
						† — — — — — — — — — — — — — — — — — — —		1
								1
						 		1
						 		†
								†
						 		

Examiner		Date	
Signature		Considered 10.14-04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Tims will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

十

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a	olus sign (+) inside this	box .	SP n .	2004 M		-
Substi	lute for form 1449B/PT	0	S. C.		mplete if Known	
			MADE	pplication Number	09/882,787	1
INF	ORMATIO	N [DISCLOSURE	Filing Date	Jun 14, 2001]
I ST	ATEMENT	BY	APPLICANT	First Named Inventor	Qi	
"	***	- .	AITEIOAIT	Group Art Unit	2621	7
	(use as many	shee	ts as necessary)	Examiner Name	MARIAM, DANIEL G	1
Sheet	2	of	4	Attorney Docket Number	MS1-717US	7

Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	123
	publisher, city and/or country where published.	Ĺ
	10/371125, US Patent Application Serial Number 10/371125 filed February 20, 2003 InventorsWei- Ying Ma et al. Entitled "Systems and Methods for Enhanced Image Adaptation," (Attorney Docket MS1-1406US)	
	LIENHART, R. et al., "On the Detection and Recognition of Television Commercials," University of Mannheim, 17 pages.	
	http://www.fatalfx.com/nomad/ "NOMAD (No More Advertising)," February 17 2003, 4 pages.	
	Broadcasts," Computer Vision Center Departament d'Informatica Universitat Autonoma de	
	ZABIH, RAMIN, "A Feature-Based Algorithm for Detecting and Classifying Scene Breaks," Computer Science Department, Cornell University, 16 pages.	
	LU LIE et al., "Content Analysis for Audio Classification and Segmentation" IEEE Transactions on Speech and Audion Processing, Vol. 10, No. 7, October 2002, pages 504-516.	
	LU, LIE et al., "A Robust Audio Classification and Segmentation Method," Microsoft Research China, 9 pages.	
	LU, LIE et al., "Content-Based Audio Segmentation Using Support Vector Machines," 2001, IEEE, pages 956-959.	
	JHA, UMA S., "Wireless Landscape-Need for Seamless Connectivity," Wireless Personal Communications, 2002, pages 275-283.	
		Mannheim, 17 pages. HARGROVE, THOMAS, "Logo Detection in Digital Video" Math 100 03/06/2001, http://toonarchive.com/logo-detection/9 pages. http://www.fatalfx.com/nomad/ "NOMAD (No More Advertising)," February 17 2003, 4 pages. SADLIER, DAVID A., "Automatic TV Advertisement Detection from MPEG Bitstream," Centre for Ditial Video Processing/Research Institute for Network & Communication Eng. Dublin City University, 12 pages. SANCHEZ, JUAN MARIA, "AudiCom: a Video Analysis System for Auditing Commercial Broadcasts," Computer Vision Center Departament d'Informatica Universitat Autonoma de Barcelona, 5 pages. ZABIH, RAMIN, "A Feature-Based Algorithm for Detecting and Classifying Scene Breaks," Computer Science Department, Cornell University, 16 pages. LU LIE et al., "Content Analysis for Audio Classification and Segmentation" IEEE Transactions on Speech and Audion Processing, Vol. 10, No. 7, October 2002, pages 504-516. LU, LIE et al., "A Robust Audio Classification and Segmentation Method," Microsoft Research China, 9 pages. LU, LIE et al., "Content-Based Audio Segmentation Using Support Vector Machines," 2001, IEEE, pages 956-959. JHA, UMA S., "Wireless Landscape-Need for Seamless Connectivity," Wireless Personal

Examiner		\	Date	
Signature	IM		Considered	10-14-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

•		•	•	•		•	
Please type a (plus sign (+) Insi	ide thi	s box .	→	<u> </u>	Ð	

			12	AF)	
Substitu	ute for form 1449B/PT(0	MADE	C.	omplete if Known
				Application Number	09/882,787
INF	ORMATION	N D	ISCLOSURE	Filing Date	Jun 14, 2001
STA	TEMENT I	BY	APPLICANT	First Named Inventor	Qi
OTATEMENT OT ALL EIGANT				Group Art Unit	2621
	(use as many s	sheet	's as necessary)	Examiner Name	MARIAM, DANIEL G
Sheet	3	of	4	Attorney Docket Number	MS1-717US

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. HELD, GIBERT, "Focus on Agere System's Orinoco PC Card," International Journal of Network Management, January 2002, pages 187-193. CHERRY, STEVEN M., "Pesky Home Networks Trouble cable Behemoths," IEEE Spectrum, April 2002, pages 60-61. NIEBUR, E. et al., "Computational Architectures for Attention," The Attentive Brain, Chapter 9, 1998, pages 163-186. WOLFE, J. M. et al., "Deploying Visual Attention: The Guided Search Model," All and the Eye, Chapter 4, 1990, pages 79-103. ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129 to I-132.	172
Management, January 2002, pages 187-193. CHERRY, STEVEN M., "Pesky Home Networks Trouble cable Behemoths," IEEE Spectrum, April 2002, pages 60-61. NIEBUR, E. et al., "Computational Architectures for Attention," The Attentive Brain, Chapter 9, 1998, pages 163-186. WOLFE, J. M. et al., "Deploying Visual Attention: The Guided Search Model," Al and the Eye, Chapter 4, 1990, pages 79-103. ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
2002, pages 60-61. NIEBUR, E. et al., "Computational Architectures for Attention," The Attentive Brain, Chapter 9, 1998, pages 163-186. WOLFE, J. M. et al., "Deploying Visual Attention: The Guided Search Model," Al and the Eye, Chapter 4, 1990, pages 79-103. ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
1998, pages 163-186. WOLFE, J. M. et al., "Deploying Visual Attention: The Guided Search Model," Al and the Eye, Chapter 4, 1990, pages 79-103. ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
Chapter 4, 1990, pages 79-103. ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
Applications, 23 1968, pgs 421-427. TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545. MA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
WA, YF. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129	
	1
SAHOO, P.K. et al., "Threshold Selction Using a Minimal Histogram Entropy Difference," Optical Engineering, v36, no7, July 1997, pages 1976-1981.	
MILANESE, R. et al., "Attentive Mechanisms for Dynamic and Static Scene Analysis," Optical Engineering, v34, no8, August 1995, pages2428-2434.	
JING, et al., "An Effective Region-Based Image Retrieval Framework," From ACM Multimedia 2002, 28 pages.	
LI, et al., "Statistical Learning of Multi-View Face Detection," Proceedings of ECCV, 2002, 25 page	i.

Examiner		Λ	Date	
Signature	\square	$F \sim$	Considered	10-14-04

^{*}EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

ease type a pl	• us sign (+) inside ti	· · · ;	+ SSP at a	MU II	
Substitu	ite for form 1449B/	DIO.	183	co	mplete if Known
			MADEN	Application Number	09/882,787
INF	ORMATIC	ON D	ISCLOSURE	Filing Date	Jun 14, 2001
STA	TEMENT	r RY	APPLICANT	First Named Inventor	Qi
"			AI I EIVAII	Group Art Unit	2621
	(use as mar	ny sheets	s as necessary)	Examiner Name	MARIAM, DANIEL G
Sheet	. 4	of	4	Attorney Docket Number	MS1-717US

	Г	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	Т
Examiner nitials*	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
NO		AHMAD, SUBUTAI, "VISIT: A Neural Model of Covert Visual Attention," Advances in Neural Information Processing Systems, v. 4, 1991, pgs 420-427.	
NQ-		BALUJA et al., "Expectation-Based Selective Attention for Visual Monitoring and Control of a Robot Vehicle," Robotics and Autonomous System, v. 22, no. 3-4, December 1997, pages 329-344.	
10		DENG et al., "Peer Group Filtering and Perceptual Color Image Quantization," Proceedings of IEEE International Symposium on Circuits and systems, Vol. 4, 1999, pages 21-24.	
10-		ITTI et al., "A Model of Saliency-based Visual Attention for Rapid Scene Analysis," IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998.	
da		MA et al., "A User Attention Model for Video Summarization," Proceedings of ICIP, 2002.	
de		CHEN et al., "A Visual Attention Model for Adapting Images on Small Displays," ACM Multimedia Systems Journal, 2003.	
da	_	LU, Xiaoye et al., "An Integrated Correlation Measure for Semantic Video Segmentation," IEEE 2002, 4 pages.	
de		FAN, Xin et al., "Visual Attention Based Image Browsing on Mobile Devices," 4 pages.	
			ļ

Examiner Signature Date Considered 10-14-04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

•	<u>. </u>	. , us sign (+) inside thi	s box	→			
THADEMARY!	Substitute for form 1449B/PTO				Complete if Known		
, and	i .		_		Application Number	09/882,787	
ì	INF	ORMATIO	N E	DISCLOSURE	Filing Date	Jun 14, 2001	
	STA	TEMENT	RY	APPLICANT	First Named Inventor	Qi	
	ן ייר			ALLEIGANI.	Group Art Unit	2621	
		(use as many	shee	ts as necessary)	Examiner Name	TRAN, PHUOC	
	Shoot	2	Of.	2	Attorney Docket Number	MS1-717HS	

Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
de		DIVAKARAN, Ajay et al., "Video summarization using descriptors of motion activity: A motion activity based approach to key-frame extraction from video shots," (:SPIE_IS&T 10/01/2001) V10 n 4 pp 909-916	
		RECEIVED	
		MAR 2 2 2004	
		Technology Center 260	
•			F
Examine Signature		Date Considered 10-14-04	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.